

Weekly Report 09/01/2014 - 09/07/2014

Jing Xia*

State Key Lab of CAD&CG, Zhejiang University

1 SUMMARY

This week I focused on the two projects.

2 PROJECTS

2.1 Project 1 - TopK Pacific Vis Submission

Fig. 1 shows the schedule of TopK submission. The basic implementation is done. A pilot user study followed by an actual user study will be conducted in the following week. Meanwhile, we will construct an outline of user study section and finish the draft of other sections. The week after that is the process of iterative paper polishing and completion of user study section. And at the final week we will start recording the video and submit the paper.

Currently everything is going smoothly.



Figure 1: Time Schedule of TopK Submission.

2.2 Project 2 - Data Inspection

The basic architecture of interactive data inspection is done. After users click a data file, it first lists all basic views representing summary of all dimensions. When users select one view, it generates new views (data of other statistical results, data of combinational dimensions) according to the selected view type, view data.

PROBLEM: The problems comes with view layout. When views grows to a large number, say 30 to 50, it would be impossible to show all views altogether because each view occupies certain display space. Thus it requires either a reasonable view layout algorithm to manage all these views, or a smart indexing method for users to quickly locate their views of interest.

Possible Solution: A current solution is to build a representative node-link diagram where each views is represented by a node. The diagram is also an indexing to their actual views. And the system should also provide view comparison functions.

3 PAPER READING

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* e-mail: jjane.summer@gmail.com

4 MISCELLANEOUS

1. Tools that improve work efficiency: "Find and Run Robot", "Listary", "Everything" and "Total Commander".

I'm also getting to know these tools by using and configuring. I'll come up with a short tutorial later.

2. I'm done applying flight ticket back to China. I'll be back on November 2nd 2014.

5 To Do List

1. Follow the TopK schedule.
2. Elaborate the representative node-link diagram solution.

REFERENCES